Comp. Biochem. Physiol. Vol. 141B, No. 4 pp. I–V, 2005

ELSEVIER

CONTENTS OF VOLUME 141

Vol. 141B, No. 1

Obituary

1 Russell Victor Baudinette, 1945–2004

General papers

Y. Miura-Yokota, Y. Matsubara, T. Ebihara, Y.-i. Koyama, K. Ogawa-Goto, N. Isobe, S. Hattori and S. Irie — 3 Cloning and nucleotide sequence of a novel 28-kDa protein from the mantle muscle of the squid *Todarodes pacificus* with homology to tropomyosin

M.R. Pagano, M.E. Paredi and M. Crupkin — 13 Cytoskeletal ultrastructure and lipid composition of I-Z-I fraction in muscle from pre- and post-spawned female hake (*Merluccius hubbsi*)

M.T. Elola, M.E. Chiesa and N.E. Fink — 23 Activation of oxidative burst and degranulation of porcine neutrophils by a homologous spleen galectin-1 compared to *N*-formyl-L-methionyl-L-leucyl-L-phenylalanine and phorbol 12-myristate 13-acetate

M.K. Agrawal, D. Bagchi and S.N. Bagchi — 33 Cysteine and serine protease-mediated proteolysis in body homogenate of a zooplankter, *Moina macrocopa*, is inhibited by the toxic cyanobacterium, *Microcystis aeruginosa* PCC7806

Y. Tokushima, K. Takahashi, K. Sato and Y. Akiba — 43 Glucose uptake in vivo in skeletal muscles of insulin-injected chicks

J.Y. Choi, J.G. Park, H.B. Jeong, Y.D. Lee, A. Takemura and S.J. Kim — 49 Molecular cloning of cytochrome P450 aromatases in the protogynous wrasse, *Halichoeres tenuispinis*

K.W. Selcer, S. Smith, J.W. Clemens and B.D. Palmer — 61 Androgen receptor in the oviduct of the turtle, *Trachemys scripta*

Y. Lin, X. Zhang, K. Liang, H. Yang and H. Zhang — 71 Phylogenetic analysis and developmental expression of *brp-like* genes in amphioxus and zebrafish

A. Oxley, B.E. Torstensen, A.C. Rustan and R.E. Olsen — 77 Enzyme activities of intestinal triacylglycerol and phosphatidylcholine biosynthesis in Atlantic salmon (*Salmo salar* L.)

D.L. Puppione, J.P. Whitelegge, L.M. Yam and V.N. Schumaker — 89 Mass spectral analysis of pig (*Sus scrofa*) apo HDL: Identification of pig apoA-II, a dimeric apolipoprotein

S.L. Hsieh and C.-M. Kuo — 95 Stearoyl–CoA desaturase expression and fatty acid composition in milkfish (*Chanos chanos*) and grass carp (*Ctenopharyngodon idella*) during cold acclimation

E. Saitoh, S. Isemura, A. Chiba, S. Oka and S. Odani 103 A novel cysteine protease inhibitor with lectin activity from the epidermis of the Japanese eel *Anguilla japonica*

K.N. Cane, J.P.Y. Arnould and K.R. Nicholas 111 Characterisation of proteins in the milk of fur seals

S. Uchiyama and N. Iijima 121 Partial purification and characterization of pro-phospholipase A_2 activating proteases from gill membranes of the red sea bream, *Chrysophrys major*

I Instructions to Authors

Vol. 141B, No. 2

General papers

H. Berradi, M. Taouis, S. Cassy and N. Rideau 129 Glucokinase in chicken (*Gallus gallus*). Partial cDNA cloning, immunodetection and activity determination

J.F. Remme, M. Synnes and I.S. Stoknes 140 Chemical characterisation of eggs from deep-sea sharks

B.K. Speake and N.A.R. Wood 147 Timing of incorporation of docosahexaenoic acid into brain and muscle phospholipids during precocial and altricial modes of avian development

X.-L. Wang, M. Sun, J. Mei and J.-F. Gui 159 Identification of a Spindlin homolog in gibel carp (*Carassius auratus gibelio*)

S.R. Kennedy, P.J. Campbell, A. Porter and D.R. Tocher 168 Influence of dietary conjugated linoleic acid (CLA) on lipid and fatty acid composition in liver and flesh of Atlantic salmon (*Salmo salar*)

P. Garcia-Barreno, M.C. Guisasola and A. Suarez 179 Fluorescent and compositional changes in crystallin supramolecular structures in pig lens during development

G.-F. Qiu and K. Yamano 186 Three forms of cyclin B transcripts in the ovary of the kuruma prawn *Marsupenaeus japonicus*: Their molecular characterizations and expression profiles during oogenesis

C.F. Phleger, M.M. Nelson, A.K. Groce, S.C. Cary, K.J. Coyne and P.D. Nichols 196 Lipid composition of deep-sea hydrothermal vent tubeworm *Riftia pachyptila*, crabs *Munidopsis subsquamosa* and *Bythograea thermydron*, mussels *Bathymodiolus* sp. and limpets *Lepetodrilus* spp.

T. Fujita, H. Fukada, M. Shimizu, N. Hiramatsu and A. Hara 211 Annual changes in serum levels of two choriogenins and vitellogenin in masu salmon, *Oncorhynchus masou*

P.R. Biga, S.B. Roberts, D.B. Iliev, L.A.R. McCauley, J.S. Moon, P. Collodi and F.W. Goetz 218 The isolation, characterization, and expression of a novel GDF11 gene and a second myostatin form in zebrafish, *Danio rerio*

M. Ohkubo, K. Osatomi, K. Hara, T. Ishihara and F. Aranishi 231 A novel type of myofibril-bound serine protease from white croaker (*Argyrosomus argentatus*)

Y. Wang, S. Zhang, Z. Liu, H. Li and L. Wang 237 Amphioxus allantoicase: Molecular cloning, expression and enzymatic activity

F. Karadas, A.C. Pappas, P.F. Surai and B.K. Speake 244 Embryonic development within carotenoid-enriched eggs influences the post-hatch carotenoid status of the chicken

I Instructions to Authors

Vol. 141B, No. 3

General papers

S.-J. Moon, Y. Fujikawa, T. Nishihara, S. Kono, K. Kozono, T. Ikenaga, M. Esaka, N. Iijima, Y. Nagamatsu, M. Yoshida and K. Uematsu	253	Partial cloning and expression of mRNA coding choline acetyltransferase in the spinal cord of the goldfish, *Carassius auratus*
V.K. Hivrale, N.P. Chougule, P.J. Chhabda, A.P. Giri and M.S. Kachole	261	Unraveling biochemical properties of cockroach (*Periplaneta americana*) proteinases with a gel X-ray film contact print method
J.M. Stewart, A.K. Woods and J.A. Blakely	267	Maximal enzyme activities, and myoglobin and glutathione concentrations in heart, liver and skeletal muscle of the Northern Short-tailed shrew (*Blarina brevicauda*; Insectivora: Soricidae)
Y. Kobayashi, M. Ohashi, K. Kawamura, T. Yubisui and S. Fujiwara	274	An ascidian homologue of the gonadotropin-releasing hormone receptor is a retinoic acid target gene
M.E. Merchant, C.M. Roche, D. Thibodeaux and R.M. Elsey	281	Identification of alternative pathway serum complement activity in the blood of the American alligator (*Alligator mississippiensis*)
M.E. Merchant, B. Verret and R.M. Elsey	289	Role of divalent metal ions in serum complement activity of the American alligator (*Alligator mississippiensis*)
A. Wynn and T.H. Shafer	294	Four differentially expressed cDNAs in *Callinectes sapidus* containing the Rebers–Riddiford consensus sequence
N. Wade, K.C. Goulter, K.J. Wilson, M.R. Hall and B.M. Degnan	307	Esterified astaxanthin levels in lobster epithelia correlate with shell colour intensity: Potential role in crustacean shell colour formation
M. Ote, K. Mita, H. Kawasaki, T. Daimon, M. Kobayashi and T. Shimada	314	Identification of molting fluid carboxypeptidase A (MF-CPA) in *Bombyx mori*
R.R. Miller Jr., A.L. Burum, M.E. Leithart and J.D. Hart	323	Hyperglycemia-induced changes in hepatic membrane fatty acid composition correlate with increased caspase-3 activities and reduced chick embryo viability
N. Kan-no, H. Matsu-ura, S. Jikihara, T. Yamamoto, N. Endo, S. Moriyama, E. Nagahisa and M. Sato	331	Tauropine dehydrogenase from the marine sponge *Halichondria japonica* is a homolog of ornithine cyclodeaminase/mu-crystallin
K. Yamamoto, P. Zhang, F. Miake, N. Kashige, Y. Aso, Y. Banno and H. Fujii	340	Cloning, expression and characterization of theta-class glutathione *S*-transferase from the silkworm, *Bombyx mori*
A.R. Chippari-Gomes, L.C. Gomes, N.P. Lopes, A.L. Val and V.M.F. Almeida-Val	347	Metabolic adjustments in two Amazonian cichlids exposed to hypoxia and anoxia
Y. Wen, J.-Z. Shao, X.-X. Pan and L.-X. Xiang	356	Molecular cloning, characterization and expression analysis of QM gene from grass carp (*Ctenopharyngodon idellus*) homologous to Wilms' tumor suppressor
J.A. McLean, F. Karadas, P.F. Surai, R.M. McDevitt and B.K. Speake	366	Lipid-soluble and water-soluble antioxidant activities of the avian intestinal mucosa at different sites along the intestinal tract

M.P. Dani, J.P. Edwards and E.H. Richards 373 Hydrolase activity in the venom of the pupal endoparasitic wasp, *Pimpla hypochondriaca*

H. Yu, J. Liu, X. Liu, T. Zang, G. Luo and J. Shen 382 Kinetic studies on the glutathione peroxidase activity of selenium-containing glutathione transferase

I Instructions to Authors

Vol. 141B, No. 4

General papers

S. Kawamura, K. Takeshita, T. Tsujimura, S. Kasagi and Y. Matsumoto 391 Evolutionarily conserved and divergent regulatory sequences in the fish rod opsin promoter

A. Olianas, I. Messana, M.T. Sanna, M. Castagnola, B. Manconi, D. Masia, E. Coluccia, B. Giardina and M. Pellegrini 400 Two sites for GTP binding in cathodic haemoglobins from Anguilliformes

K. van der Ven, M. De Wit, D. Keil, L. Moens, K. Van Leemput, B. Naudts and W. De Coen 408 Development and application of a brain-specific cDNA microarray for effect evaluation of neuro-active pharmaceuticals in zebrafish (*Danio rerio)*

G.M. Byeon, K.S. Lee, Z.Z. Gui, I. Kim, P.D. Kang, S.M. Lee, H.D. Sohn and B.R. Jin 418 A digestive β-glucosidase from the silkworm, *Bombyx mori:* cDNA cloning, expression and enzymatic characterization

R. Fukuhara and T. Kageyama 428 Structure, gene expression, and evolution of primate glutathione peroxidases

W. Molee, M. Bouillier-Oudot, A. Auvergne and R. Babilé 437 Changes in lipid composition of hepatocyte plasma membrane induced by overfeeding in duck

M. Nakazawa, T. Minami, K. Teramura, S. Kumamoto, S. Hanato, S. Takenaka, M. Ueda, H. Inui, Y. Nakano and K. Miyatake 445 Molecular characterization of a bifunctional glyoxylate cycle enzyme, malate synthase/isocitrate lyase, in *Euglena gracilis*

F. Dequen, J.-F. St-Laurent, S.N. Gagnon, M. Carreau and S. Desnoyers 453 The *Caenorhabditis elegans FancD2* ortholog is required for survival following DNA damage

M.-C. Huang and Y. Ochiai 461 Fish fast skeletal muscle tropomyosins show species-specific thermal stability

M.T. Thébault, L. Izem, J.P. Leroy, E. Gobin, G. Charrier and J.P. Raffin 472 AMP-deaminase in elasmobranch fish: A comparative histochemical and enzymatic study

S. Puverel, E. Tambutté, L. Pereira-Mouriés, D. Zoccola, D. Allemand and S. Tambutté 480 Soluble organic matrix of two Scleractinian corals: Partial and comparative analysis

M. Salem, J. Yao, C.E. Rexroad, P.B. Kenney, K. Semmens, J. Killefer and J. Nath 488 Characterization of calpastatin gene in fish: Its potential role in muscle growth and fillet quality

J.A.C. Bispo, G.F. Landini, J.L.R. Santos, D.R. Norberto and C.F.S. Bonafe 498 Tendency for oxidation of annelid hemoglobin at alkaline pH and dissociated states probed by redox titration

I Contents of Volume

VI Subject Index

IX Author Index

XI Instructions to Authors